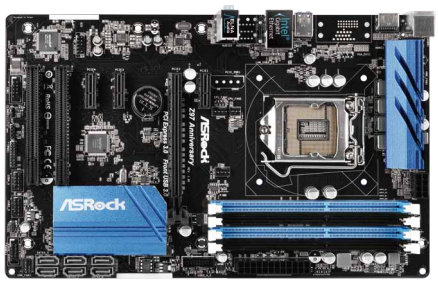
Z97 Anniversary

Intel® Z97 Chipset



Product Brief

- ASRock Super Alloy
  Premium Alloy Choke (Reduces 70% core loss compared to iron powder choke)
  NexFET™ MOSFET
  Sapphire Black PCB
- Supports 5th Generation Intel® Core™ i7/i5/i3/Pentium®/Celeron® Processors (Socket 1150)
- Supports New 4th and 4th Generation Intel® Xeon®/Core™ i7/i5/i3/ Pentium®/Celeron® Processors (Socket 1150)
- Solid Capacitor design, Digi Power
- Supports Dual Channel DDR3 3100+(OC)
- 1 PCIe 3.0 x16, 3 PCIe 2.0 x1, 2 PCI
- 7.1 CH HD Audio (Realtek ALC887 Audio Codec), ELNA Audio Caps
- Intel® Gigabit LAN
- 1 HDMI, 6 SATA3, 6 USB 3.0 (2 Front, 4 Rear), 6 USB 2.0 (4 Front, 2 Rear)
- 1 COM Port Header
- Supports ASRock Full Spike Protection, ASRock Cloud, APP Shop, A-Tuning, Pentium Anniversary Boost, Full HD UEFI

CELEBRATING 20 YEARS OF THE PENTIUM BRAND WITH THE LATEST INSIDE

BEST MOTHERBOARD FOR INTEL PENTIUM 20TH ANNIVERSARY EDITION PROCESSOR

* CPU is not included.

Super Alloy Motherboard Stable and Reliable

Pentium Anniversary Boost

ASRock APP SHOP

Orbweb ME Professional USB$ 49.99 1-year subscription FREE ASRock Cloud

DigiPower VRM Design

Intel® Gigabit Ethernet

ELNA Audio Caps

FULL SPIKE PROTECTION

Detail Specification

Platform	- ATX Form Factor - Solid Capacitor design - High Density Glass Fabric PCB
Unique Feature	ASRock Super Alloy - Premium Alloy Choke (Reduces 70% core loss compared to iron powder choke) - NexFET™ MOSFET - Sapphire Black PCB ASRock Full Spike Protection ASRock Cloud ASRock APP Shop
CPU	- Supports 5th Generation Intel® Core™ i7/i5/i3/Pentium®/Celeron® Processors (Socket 1150) - Supports New 4th and 4th Generation Intel® Xeon®/Core™ i7/i5/i3/Pentium®/Celeron® Processors (Socket 1150) - Digi Power design - 4 Power Phase design - Supports Intel® Turbo Boost 2.0 Technology - Supports Intel® K-Series unlocked CPUs - Supports ASRock BCLK Full-range Overclocking
Chipset	- Intel® Z97
Memory	- Dual Channel DDR3 Memory Technology - 4 x DDR3 DIMM Slots - Supports DDR3 3100+(OC)/2933(OC)/2800(OC)/2400(OC)/2133(OC)/1866(OC)/1600/1333/1066 non-ECC, un-buffered memory - Max. capacity of system memory: 32GB - Supports Intel® Extreme Memory Profile (XMP) 1.3 / 1.2
Expansion Slot	- 1 x PCI Express 3.0 x16 Slot (PCIE2: x16 mode) - 3 x PCI Express 2.0 x1 Slots - 2 x PCI Slots
Graphics	* Intel® HD Graphics Built-in Visuals and the VGA outputs can be supported only with processors which are GPU integrated. - Supports Intel® HD Graphics Built-in Visuals : Intel® Quick Sync Video with AVC, MVC (S3D) and MPEG-2 Full HW Encode1, Intel® InTru™ 3D, Intel® Clear Video HD Technology, Intel® Insider™, Intel® HD Graphics 4400/4600 - Pixel Shader 5.0, DirectX 11.1 - Max. shared memory 1792MB - Supports HDMI with max. resolution up to 1920x1200 @ 60Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI Port (Compliant HDMI monitor is required) - Supports HDCP with HDMI Port - Supports Full HD 1080p Blu-ray (BD) playback with HDMI Port
Audio	- 7.1 CH HD Audio (Realtek ALC887 Audio Codec) * To configure 7.1 CH audio, please use an HD front panel audio module and enable the multi-channel audio feature through the audio driver. - Supports Surge Protection (ASRock Full Spike Protection) - ELNA Audio Caps
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Intel® I218V - Supports Intel® Remote Wake Technology - Supports Wake-On-LAN - Supports Lightning/ESD Protection (ASRock Full Spike Protection) - Supports Energy Efficient Ethernet 802.3az - Supports PXE

Rear Panel I/O	- 1 x PS/2 Mouse/Keyboard Port - 1 x HDMI Port - 2 x USB 2.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) - 4 x USB 3.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jacks: Line in / Front Speaker / Microphone
Storage	- 6 x SATA3 6.0 Gb/s Connectors, support RAID (RAID 0, RAID 1, RAID 5, RAID 10, Intel Rapid Storage Technology 13 and Intel Smart Response Technology), NCQ, AHCI and Hot Plug
Connector	- 1 x COM Port Header - 1 x TPM Header - 1 x Power LED Header - 2 x CPU Fan Connectors (1 x 4-pin, 1 x 3-pin) - 2 x Chassis Fan Connectors (2 x 4-pin) - 1 x Power Fan Connector (3-pin) - 1 x 24 pin ATX Power Connector - 1 x 8 pin 12V Power Connector - 1 x Front Panel Audio Connector - 2 x USB 2.0 Headers (Support 4 USB 2.0 ports) (Supports ESD Protection (ASRock Full Spike Protection)) - 1 x USB 3.0 Header (Supports 2 USB 3.0 ports) (Supports ESD Protection (ASRock Full Spike Protection))
BIOS Feature	- 64Mb AMI UEFI Legal BIOS with multilingual GUI support - ACPI 1.1 Compliant wake up events - SMBIOS 2.3.1 support - CPU, DRAM, PCH 1.05V Voltage multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), Google Chrome Browser and Toolbar, Start8 (30 days trial), Orbweb.ME Professional (Win 8.1)
Software and UEFI	Software - ASRock A-Tuning - ASRock Disk Health Report - ASRock USB Key - ASRock APP Charger - ASRock XFast LAN - ASRock XFast RAM - ASRock Restart to UEFI - ASRock Pentium Anniversary Boost UEFI - ASRock Full HD UEFI - ASRock My Favorites in UEFI - ASRock UEFI Guide - ASRock Instant Flash - ASRock Internet Flash - ASRock Crashless BIOS - ASRock OMG (Online Management Guard) - ASRock UEFI System Browser - ASRock UEFI Tech Service - ASRock Dehumidifier - ASRock Easy RAID Installer - ASRock Easy Driver Installer
Hardware Monitor	- CPU/Chassis temperature sensing - CPU/Chassis/Power Fan Tachometer - CPU/Chassis Quiet Fan (Auto adjust chassis fan speed by CPU temperature) - CPU/Chassis Fan multi-speed control - Voltage monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	- Microsoft® Windows® 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit
Certifications	- FCC, CE, WHQL - ErP/EuP ready (ErP/EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than the original product specification is not guaranteed.

Z97 Anniversary

Intel® Z97 Chipset

ASRock®

Super Alloy Motherboard

Stable and Reliable

NexFET MOSFET for Memory Power

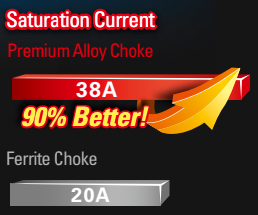
The next generation NexFET MOSFETs provide lower Rds(on) 2.9 mΩ, delivering higher efficiency and lower temperature.

Sapphire Black PCB

Pure black PCB appearance. The new Sapphire Black PCB represents rock-solid quality and gives the motherboard a more mysterious touch.

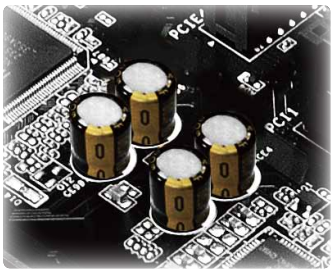
Premium Alloy Choke

The new generation alloy chokes effectively increase up to 90% saturation current and feature a highly magnetic and heat resistant design, making the motherboard more efficient, stable and reliable.



ELNA Audio Caps

Who says high quality audio is only available on high-end motherboards? ASRock applied ELNA audio capacitors on mainstream and entry-level motherboards! Compared with traditional solid caps, the leakage current of ELNA audio caps is merely 3uA. This is the key to reduce noise level significantly and satisfy even the pickiest audiophiles.



CELEBRATING 20 YEARS OF THE PENTIUM BRAND WITH THE LATEST INSIDE

Best Motherboard for Intel Pentium 20th Anniversary Edition Processor

When Intel Pentium 20th Anniversary Edition G3258 CPU is overclocked to 4.5 GHz, the CPU frequency and performance both boost by more than 40%!

Pentium Anniversary Boost

ASRock Pentium Anniversary Boost Technology* allows you to overclock your Intel Pentium 20th Anniversary Edition G3258 CPU with few keystrokes only. Turn on your PC and press "P" to enter the selection page and choose the CPU frequency you would like to apply, Pentium Anniversary Boost will automatically overclock the relative components and boost the CPU frequency from 3.2 GHz to a maximum of 4.2 GHz!

* Pentium Anniversary Boost Technology is for Intel Pentium 20th Anniversary Edition G3258 CPU only.

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ASRock Cloud

ASRock Cloud* technology makes your mobile devices connect to your PC seamlessly and supports multi devices for accessing File Explorer cloud service simultaneously! We offer a one-year subscription to Orbweb.ME Professional version, a personal cloud service which is $49.99 per year. It allows you to get connected with your PC's files, music, photos, and video clips remotely with tablets anytime, anywhere. Plus an additional one-month upgrade to Orbweb.ME Ultimate package with Remote Desktop function.

* OrbWeb ME is provided by a third party. Restriction may apply and the offer is subject to change, termination or discontinuation by the third party without prior notice. Please visit the website for further details: http://www.asrock.com/feature/cloud/index.html

ASRock APP Shop

We provide various apps and support software for users to download. You can easily optimize your system and keep your motherboard up to date with ASRock APP Shop.

Full Spike Protection

Surge Protection

Protects the motherboard from excessive surges from the power supply unit.

Lightning Protection

The onboard LAN chip is protected against sudden and violent voltage spikes caused by lightning.

ESD Protection

USB Added ICs to protect the onboard USB ports from electrostatic discharges.

LAN Prevents the onboard LAN from being damaged by electrostatic discharges.

MOSFETs MOSFETs in critical areas use a special design for protecting them from electrostatic discharge during the installation process.

Intel LAN

Intel® Gigabit LAN provides better performance, lowers CPU utilization and enhances the stability of internet connections.

Solid Capacitor Design

ASRock applied solid capacitors on this motherboard. With these solid caps, this motherboard is allowed to perform more stably and ensure longer lifetime.

Digi Power

By adopting digital Pulse-width modulation (PWM), the ASRock motherboard can provide CPU Vcore voltage more efficiently and smoothly.

A-Tuning

A-Tuning is ASRock's multi purpose software suite with a new interface, more new features and improved utilities, including XFast RAM and a whole lot more.

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